



## MTP\* Cleaning Tools

Part Numbers: FMTPFCT, FMTPMFCT, FIBCCT, FMTPRR6

### OPERATING INSTRUCTIONS PN433

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**READ ALL INSTRUCTIONS COMPLETELY BEFORE PROCEEDING**

#### FMTPFCT

MTP\* Female Fiber Cleaning Tool



#### FMTPMFCT

MTP\* Male Fiber Cleaning Tool



#### FIBCCT

QUICKNET Cassette MTP\* Cleaning Tool



#### FMTPRR6

(Contains 6 reels)

Cleaning Reel Refill for FMTPFCT and FMTPMFCT



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For Technical Support: [www.panduit.com/resources/install\\_maintain.asp](http://www.panduit.com/resources/install_maintain.asp)

## SAFETY PRECAUTIONS

### **1. LASER LIGHT PROTECTION**

**WARNING:** LASER LIGHT IS INVISIBLE. THE INVISIBLE LIGHT IS POWERFUL ENOUGH TO DAMAGE YOUR EYES. SERIOUS DAMAGE TO THE RETINA OF THE EYE IS POSSIBLE. NEVER LOOK INTO THE END OF A FIBER THAT MAY HAVE A LASER COUPLED INTO IT. SHOULD ACCIDENTAL EYE EXPOSURE TO LASER LIGHT BE SUSPECTED, ARRANGE FOR AN EYE EXAMINATION IMMEDIATELY.

### **2. CABLE HANDLING**

**WARNING:** FIBER OPTIC CABLE CAN BE DAMAGED BY EXCESSIVE PULLING, TWISTING, CRUSHING OR BENDING STRESSES. CONSULT THE APPROPRIATE SPECIFICATION SHEETS AS PROVIDED BY YOUR CABLE VENDOR. ANY DAMAGE MAY DECREASE OPTICAL PERFORMANCE.



## Important Connector Cleaning Information

**Clean all connectors prior to connection.** Just like single fiber connectors, all multi-fiber connectors must be properly cleaned prior to connection to ensure optimum optical performance is achieved. Although interconnect cords and cable assemblies are shipped from the factory pre-cleaned and protected with a dust cover, the user should never assume the ferrule or connector has not been contaminated. A contaminated endface may not meet system insertion loss and reflectance requirements or may cause permanent damage to the fiber(s) when mated to another connector. Therefore, it is recommended that each ferrule endface or tip be cleaned using this procedure prior to connection.

## FMTPFCT Instructions - Cleaning Female MTP\* Connectors

1. Grip the FMTPFCT, depressing the green lever of the cleaning tool. The metal shutter on top of the cleaning tool will open, exposing fresh cleaning material. Fresh material is exposed each time the green lever is depressed.
2. Position the female MTP\* ferrule endface so that the fiber tips are in contact with the cleaning material. Wipe the ferrule endface along the cleaning material in the direction shown on the cleaning tool.
3. Release the green lever of the cassette to cover the cleaning material.
4. Repeat steps 1, 2 and 3 to ensure that any contamination is removed.



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## FMTPMFCT Instructions - Cleaning Male MTP\* Connectors

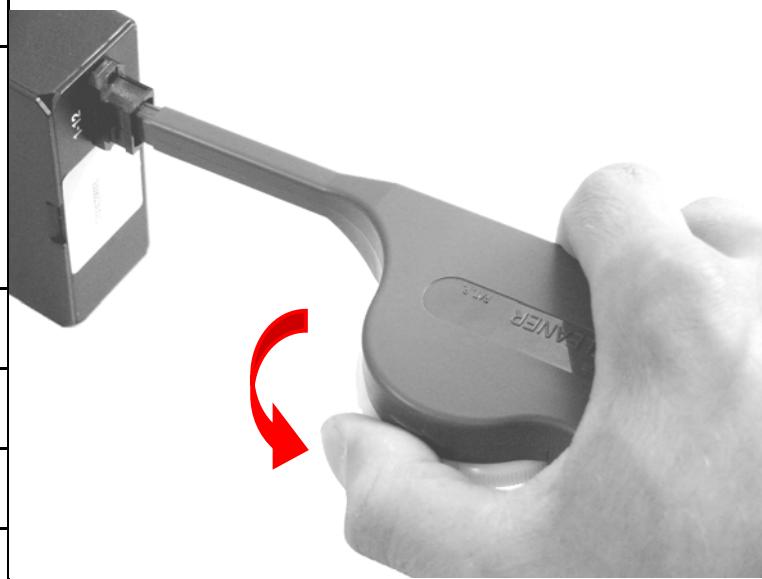
1. Grip the FMTPMFCT, depressing the green lever of the cleaning tool. The metal shutter on top of the cleaning tool will open, exposing fresh cleaning material. Fresh material is exposed each time the green lever is depressed.
2. Position the male MTP\* ferrule endface so that the fiber tips are in contact with the cleaning material. Wipe the ferrule endface along the cleaning material in the direction shown on the cleaning tool.
3. Release the green lever of the cassette to cover the cleaning material.
4. Repeat steps 1, 2 and 3 to ensure that any contamination is removed.

**NOTE:** The FMTPMFCT MTP\* Male Fiber Cleaning Tool is designed to provide clearance for the connector's guide pins allowing the fiber tips to contact the cleaning material.



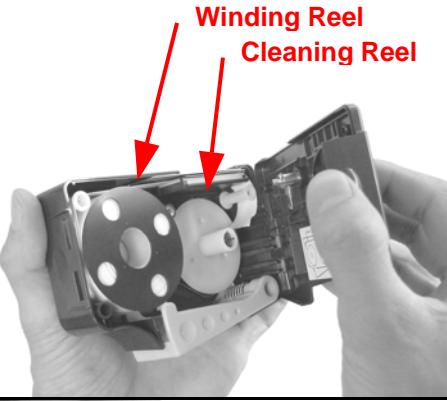
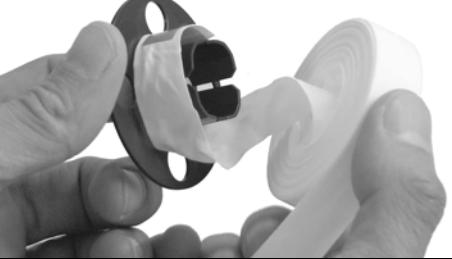
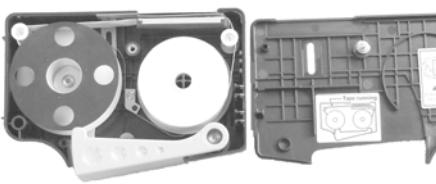
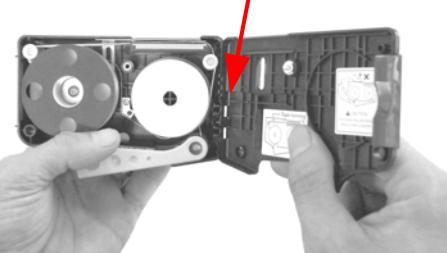
## FIBCCT Instructions - Cleaning QUICKNET Cassette MTP\* Connectors

1. Remove the external connector or dust cover from the QUICKNET Cassette MTP\* adapter.
2. Remove the dust cap from the FIBCCT.
3. Insert the cleaning tool tip into the MTP\* adapter as shown.  
**NOTE:** The FIBCCT QUICKNET Cassette MTP\* Cleaning Tool is keyed the same as a MTP\* connector. Insert the cleaning tool tip into the QUICKNET MTP\* adapter with the key of the cleaning tool tip matching the keyway of the adapter.
4. Rotate the tape feeder wheel in the direction indicated on the cleaning tool.
5. Remove the cleaning tool from the QUICKNET Cassette MTP\* adapter.
6. Repeat steps 3, 4 and 5 to ensure that any contamination is removed. Replace the dust cap onto the cleaning tool.
7. Clean the external connector as described in the sections above.
8. Reinstall the external connector into the QUICKNET Cassette MTP\* adapter.



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## FMTPRR6 - Replacing FMTPFCT and FMTPMFCT Cleaning Reel

<p>1. The cleaning reel should only be replaced in a clean and dust free environment. A contaminated cleaning reel may cause damage to fibers.</p>			
2. Use a coin or screwdriver to loosen the screw located on the front of the FMTPFCT or FMTPMFCT Fiber Cleaning Tools.		3. Open and remove the cover using the finger grip on the side of the tool.	 Winding Reel Cleaning Reel
4. Remove the cleaning reel and winding reel by lifting them straight out of the tool. Remove the cleaning tape from the winding reel. Do not discard the blue winding reel.		5. Place the empty winding reel next to the new cleaning reel as shown. Detach the adhesive tape from the cleaning reel and attach to the winding reel.	
6. Place the winding reel and the cleaning reel into the tool and route the cleaning tape as shown on the diagram located on the tool cover.		7. Hook the cover on the tool body and swing the cover closed. Tighten the screw.	 Hooks
<p>8. Depress the green lever a few times and verify that the cleaning tape is advancing properly.</p>			

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